IN THE SPECIFICATION

Page 1, second and third full paragraphs, please amend as follows:

Heating Systems using microwave energy produced by a magnetron are known. The ~~Martin~~ Moreti Patent, US Patent No. 4,310,738 teaches a heating furnace to heat a fluid. The use of an ~~insulated~~ insulated chamber with a circuitous flow path and a magnetron are taught. A system for heating both domestic hot water and heating a building are not taught.

The Pinkstaff Patent, US Patent Number 4,284,869 describes a hot water heater using three magnetrons. The water progresses from the bottom of a tank to the top of the tank. The tank is divided into three sections. In each section the domestic hot water is heated to a still higher temperature. Pinkstaff describes the direct heating of the domestic hot water ~~butr~~ but does not pertain to a system that heats a building or a two-stage domestic hot water heater.

Page 2, SUMMARY OF THE INVENTION, please rewrite the SUMMARY OF THE INVENTION as follows:

A microwave heating system is provided which uses a heat conductive medium. The heat conductive medium is heated in a heater. The heater includes a shell which forms an enclosure. The enclosure has an upper end and a lower end. A heating coil is located in the enclosure. The heating coil has an upper end and a lower end and has an inverted frusto-conical shape. The upper end of the heating coil is larger than the lower end. Three magnetrons are mounted adjacent the heating coil. One magnetron is located at the upper end of the heating coil and the other two magnetrons are located on opposite sides of the heating coil for directing microwave energy into the

heating coil. An electrical distribution system is connected to the magnetron. A return line supplies the heat conductive medium into the heating coil adjacent the lower end of the shell. A line means is connected to the heating coil toward the upper end of the enclosure and extending outside the shell. The line means has two branches. The Microwave Heating System also includes a domestic hot water heater including a first heat exhanger and a second heat exhanger. The first heat exhanger is connected to one of the branches of the line means. A water coil is located in the second heat exchanger. The first heat exchanger is also connected to the return line. A water coil is located in the second heat exchanger. Heat exchanger means are connected to the line means to receive heat conductive medium and are connected to the return line. A circulator is located in the return line.

Page 12, second full paragraph, add a period at the end of the first line (line 16,, page 12). Accordingly, such paragraph is restated as follows:

The heat conductive medium can be any number of different materials. Ethylene glycol is one well-known heat conductive medium. However, a preferred heat conductive material is palm oil and fatty acids. Teflon can be used for the tubing in the heater but polypropylene is a preferable as it achieves greater heat exchange.